

TABLE OF CONTENTS

Acknowledgments.....	v
Abstract.....	vii
List of Figures	xiv
List of Tables	xv
List of Abbreviations and Symbols.....	xxiii
Chapter 1 Introduction	1
1.0 Introduction.....	1
1.1 Koho and Maa Background	2
1.1.1 Mythological Background	2
1.1.2 Historical Background	3
1.1.3 Demographic and Geographical Background.....	5
1.1.4 Sociolinguistic Background	7
1.1.5 Dialect Background	9
1.2 Purpose of Thesis	11
1.3 Source of Linguistic Data	11
1.4 Methodology	12
Chapter 2 Literature Review	13
2.0 Introduction.....	13
2.1 Language Affiliation.....	13
2.2 Linguistic Orientation	18
2.2.1 Phonological Word Structure.....	19
2.2.2 Previous Koho and Maa Comparison	20
2.2.3 Previous Reconstructions.....	22
2.3 Theoretical Framework.....	24
2.3.1 Lexicostatistics.....	24
2.3.2 Phonological Reconstruction	26

2.4 Summary	29
Chapter 3 Overview of the Varieties	31
3.0 Introduction.....	31
3.1 Koho Sre	31
3.1.1 Consonants.....	34
3.1.2 Vowels	35
3.1.3 Syllable Structure.....	36
3.1.3.1 Presyllable.....	36
3.1.3.2 Main Syllable	37
3.1.4 Phonotactics	37
3.2 Koho Cil.....	37
3.2.1 Consonants.....	38
3.2.2 Vowels	39
3.2.3 Syllable Structure.....	39
3.2.3.1 Presyllable.....	40
3.2.3.2 Main Syllable	40
3.2.4 Phonotactics	41
3.3. Koho Lach.....	41
3.3.1 Consonants.....	42
3.3.2 Vowels	42
3.3.3 Syllable Structure.....	43
3.3.3.1 Presyllable.....	43
3.3.3.2 Main Syllable	44
3.3.4 Phonotactics	44
3.4 Koho Nop.....	44
3.4.1 Consonants.....	45
3.4.2 Vowels	46
3.4.3 Syllable Structure.....	46

3.4.3.1 Presyllable.....	46
3.4.3.2 Main Syllable	47
3.4.4 Phonotactics	47
3.5 Maa Dagui.....	48
3.5.1 Consonants	48
3.5.2 Vowels	49
3.5.3 Syllable Structure.....	49
3.5.3.1 Presyllable.....	49
3.5.3.2 Main Syllable	50
3.5.4 Phonotactics	50
3.6 Maa Tadung	51
3.6.1 Consonants	51
3.6.2 Vowels	52
3.6.3 Syllable Structure.....	52
3.6.3.1 Presyllable.....	52
3.6.3.2 Main Syllable	53
3.6.4 Phonotactics	53
3.7 Maa Chop.....	54
3.7.1 Consonants	54
3.7.2 Vowels	55
3.7.3 Syllable Structure.....	55
3.7.3.1 Presyllable.....	55
3.7.3.2 Main Syllable	56
3.7.4 Phonotactics	56
3.8 Summary	57
Chapter 4 Lexicostatistics	58
4.0 Introduction.....	58
4.1 Lexicostatistics.....	59

4.1.1 Wordlist Comparison	59
4.1.2 Lexicostatistics Process	60
4.1.3 Tree Diagram	66
4.2 Summary	68
Chapter 5 Phonological reconstruction	70
5.0 Introduction.....	70
5.1 Main Syllable	75
5.1.1 Onsets.....	75
5.1.1.1 Voiceless Obstruents.....	75
5.1.1.2 Voiced Obstruents.....	79
5.1.1.3 Voiced Implosive Obstruents.....	81
5.1.1.4 Sonorants.....	83
5.1.1.5 Initial Clusters	87
5.1.2 Rhymes	93
5.1.2.1 Nuclei.....	93
5.1.2.2 Codas.....	113
5.2 Presyllable.....	124
5.3 Symmetrical Considerations	138
5.3.1 Consonant Inventory	139
5.3.2 Vowel Inventory	143
5.3.3 Presyllable.....	145
5.4 Summary	148
Chapter 6 Proto Koho-Maa.....	150
6.0 Introduction.....	150
6.1 Proto Koho-Maa.....	150
6.1.1 Consonants	150
6.1.2 Vowels	151
6.1.3 Syllable Structure.....	151

6.1.3.1 Presyllable.....	152
6.1.3.2 Main Syllable	153
6.1.4 Phonotactics	154
6.2 Relationship of Koho and Maa Varieties.....	154
6.2.1 Phonological Rules	154
6.2.2 Koho and Maa Subgrouping	160
6.3 Summary	161
Chapter 7 Conclusion.....	162
7.0 Introduction.....	162
7.1 Summary of Findings.....	162
7.2 Suggestions for Further Study	165
Appendix A.....	167
Appendix B	184
Appendix C	190
Appendix D	196
Appendix E	200
Bibliography	217

LIST OF FIGURES

Figure 1. Map of Vietnam.....	6
Figure 2. Map of Koho and Maa location.....	7
Figure 3. Locations of data collected.....	10
Figure 4. Subgroups of Austroasiatic (Matisoff 2001)	14
Figure 5. Subgroups of South Bahnaric (Thomas 1979)	15
Figure 6. Koho and Maa grouping (Hoàng Phê et al. 1984).....	16
Figure 7. Subgrouping of South Bahnaric (Yan Qixiang and Zhou Zhizhi (1995)	17
Figure 8. Bahnaric subgrouping (Sidwell and Pascale 2003)	18
Figure 9. Rooted tree of Koho and Maa varieties based on UPGMA method	67
Figure 10. Location of the Koho and Maa.....	68
Figure 11. Phonological reconstruction mechanism.....	74
Figure 12. Koho and Maa language tree based on shared phonological changes.....	159
Figure 13. Koho and Maa Stammbaum based on shared phonological rules	160

LIST OF TABLES

Table 1. Speech varieties and locations	11
Table 2. Proto South Bahnaric consonant inventory (Sidwell 2000).....	23
Table 3. Proto South Bahnaric minorsyllables (Sidwell 2000).....	23
Table 4. Proto South Bahnaric vowel inventory (Sidwell 2000).....	23
Table 5. Koho Sre consonant inventory of Manley (1972)	32
Table 6. Koho Sre vowel inventory of Manley (1972).....	32
Table 7. Koho Sre consonant inventory of Smalley (1955).....	33
Table 8. Koho Sre vowel inventory of Smalley (1955).....	33
Table 9. Koho Sre consonant inventory.....	34
Table 10. Koho Sre vowel inventory	35
Table 11. Koho Sre presyllable segment combinations.....	36
Table 12. Koho Cil consonant inventory	38
Table 13. Koho Cil vowel inventory.....	39
Table 14. Koho Cil presyllable segment combinations	40
Table 15. Koho Lach consonant inventory	42
Table 16. Koho Lach vowel inventory	42
Table 17. Koho Lach presyllable segment combinations	43
Table 18. Koho Nop consonant inventory	45
Table 19. Koho Nop vowel inventory.....	46
Table 20. Koho Nop presyllable segment combinations	47

Table 21. Maa Dagui consonant inventory	48
Table 22. Maa Dagui vowel inventory	49
Table 23. Maa Dagui presyllable segment combinations	50
Table 24. Maa Tadung consonant inventory.....	51
Table 25. Maa Tadung vowel inventory	52
Table 26. Maa Tadung presyllable segment combinations.....	53
Table 27. Maa Chop consonant inventory	54
Table 28. Maa Chop vowel inventory.....	55
Table 29. Maa Chop presyllable segment combinations	56
Table 30. Percentages of lexical similarity from Smith (1981).....	58
Table 31. Percentages of lexical similarity from Tạ Văn Thông (1988a)	58
Table 32. Comparison of lexical percentages (Smith 1981/Tạ Văn Thông 1988a) ...	59
Table 33. Full syllable forms	61
Table 34. Main syllable or “root” forms.....	61
Table 35. Lexical similarity analysis	63
Table 36. Phone table for minimum lexical similarity (Blair 1990:32).....	64
Table 37. Lexical similarity	65
Table 38. A matrix of lexical similarity percentages	66
Table 39. Loan words	71
Table 40. Word cognates	73
Table 41. Syllable cognates	73
Table 42. The initial voiceless obstruent *p	75

Table 43. The initial voiceless obstruent *t	76
Table 44. The initial voiceless obstruent *c	76
Table 45. The initial voiceless obstruent *k	77
Table 46. The initial voiceless obstruent *?	77
Table 47. The initial voiceless obstruent *s.....	78
Table 48. The initial voiceless obstruent *h	78
Table 49. Reflexes of voiceless obstruent consonants.....	79
Table 50. The initial voiced obstruent *b	79
Table 51. The initial voiced obstruent *d	80
Table 52. The initial voiced obstruent *j	80
Table 53. The initial voiced obstruent *g	81
Table 54. Reflexes of voiced obstruent consonants.....	81
Table 55. The initial voiced implosive obstruent *ɓ	82
Table 56. The initial voiced implosive obstruent *ɗ	82
Table 57. Reflexes of voiced implosive obstruent consonants	83
Table 58. The initial sonorant *m.....	83
Table 59. The initial sonorant *n.....	84
Table 60. The initial sonorant *ŋ.....	84
Table 61. The initial sonorant *ɳ.....	85
Table 62. The initial sonorant *r.....	85
Table 63. The initial sonorant *l.....	86

Table 64. The initial sonorant *w	86
Table 65. The initial sonorant *j	87
Table 66. Reflexes of initial sonorant consonants	87
Table 67. The initial cluster *ph	88
Table 68. The initial cluster *pr	88
Table 69. The initial cluster *pl	89
Table 70. The initial cluster *bl	90
Table 71. The initial cluster *br	90
Table 72. The initial cluster *tr	91
Table 73. The initial cluster *kl	91
Table 74. The initial cluster *ch	92
Table 75. The initial cluster *sr	92
Table 76. Reflexes of the initial clusters	93
Table 77. The short nucleus *i	94
Table 78. The short nucleus *e	95
Table 79. The short nucleus *ə	96
Table 80. The short nucleus *a	96
Table 81. The short nucleus *u	97
Table 82. The short nucleus *o	99
Table 83. The short nucleus *ɔ	100
Table 84. Reflexes of the short nuclei	102

Table 85. The long nucleus *i:.....	102
Table 86. The long nucleus *e:.....	103
Table 87. The long nucleus *ə:.....	104
Table 88. The long nucleus *a:.....	105
Table 89. The long nucleus *u:.....	105
Table 90. The long nucleus *o:.....	107
Table 91. The long nucleus *ɔ:	108
Table 92. Reflexes of the long nuclei	109
Table 93. The diphthong nucleus *iə.....	110
Table 94. The diphthong nucleus *uə.....	111
Table 95. The reflexes of the diphthong nuclei	112
Table 96. The final voiceless obstruent *p	113
Table 97. The final voiceless obstruent *t	114
Table 98. The final voiceless obstruent *c	114
Table 99. The final voiceless obstruent *?	115
Table 100. The final voiceless obstruent *s.....	115
Table 101. The final voiceless obstruent *h	116
Table 102. Reflexes of the obstruent final consonants	117
Table 103. The final sonorant *m.....	117
Table 104. The final sonorant *n.....	118
Table 105. The final sonorant *ŋ.....	118

Table 106. The final sonorant *ŋ	119
Table 107. The final sonorant *r	119
Table 108. The final sonorant *l	120
Table 109. The final sonorant *j	120
Table 110. The final sonorant *w	121
Table 111. Reflexes of the sonorant final consonants	123
Table 112. Monosyllabification	125
Table 113. The presyllable *pən	126
Table 114. The presyllable *bə	127
Table 115. The presyllable *təm	128
Table 116. The presyllable *tə	129
Table 117. The presyllable *jə	129
Table 118. The presyllable *kən	130
Table 119. The presyllable *kəm	131
Table 120. The presyllable *kəl	132
Table 121. The presyllable *gə	133
Table 122. The presyllable *mə	133
Table 123. The presyllable *nə	134
Table 124. The presyllable *ŋə	135
Table 125. The presyllable *jə	135
Table 126. The presyllable *sə	136

Table 127. The presyllable *rə	137
Table 128. The presyllable *lə	137
Table 129. Proto presyllable forms	138
Table 130. The proto consonant inventory	139
Table 131. Asymmetrical cluster inventory	139
Table 132. The initial cluster *th	140
Table 133. The initial cluster *kr	140
Table 134. The initial cluster *gl	141
Table 135. The initial cluster *jr	141
Table 136. The initial cluster *kh	142
Table 137. The initial cluster /kw/	142
Table 138. Revised proto cluster inventory	143
Table 139. Vowel inventory	143
Table 140. The short nucleus /ɛ/	144
Table 141. The long nucleus /ɛ:/	144
Table 142. The long nucleus /u:/	145
Table 143. Metathesis in the presyllable	145
Table 144. The presyllable *?ə	146
Table 145. The presyllable *sər	147
Table 146. The presyllable *tən	147
Table 147. The proto presyllable inventory	148

Table 148. The Proto consonants.....	151
Table 149. The Proto vowels	151
Table 150. Proto presyllable segment combinations	152
Table 151. Inventory of the proto presyllable.....	153
Table 152. Inventory of initial clusters	154
Table 153. Summary of the phonological rules.....	156
Table 154. Results of the Jaccardian coefficient calculations	157
Table 155. Jaccard coefficient of similarity value	158
Table 156. UPGMA grouping by Jaccard coefficient values for shared phonological rules.....	158